VOLUME 111 — *Index* — 1971

A

ABJ—25, 50, 75, 100 years ago—5, 45, 85, 129, 173, 217, 257, 297, 337, 377, 417, 457
Absconding, 364
Acarine disease, 337, 377, 380
  Folbex control of, 186, 381
  problem of the Indian bee, 134, 186
African bee, 68, 222, 377
  in Argentina, 47, 422
  in Paraguay, 232
  in Rhodesia, 47, 353
  management of, 262, 364, 426
  study of, 189, 238
Africa, West, beekeeping in, 222
Air door, 337
Airdropped containerized bees, 272
Airlifting honey bees, 217, 238
Alarm pheromone, 180
Alfalfa, honey plant, 62
  pollination of, 48, 89, 231
Alkali bee, 350
Alphandery, Edmond, honored, 22
American Beekeeping Federation officers, 94, 138
American foulbrood control, 308
  recurrence of, 430
  test for, 138, 385
American Honey Institute, 19, 88, 189, 360
American Honey Producers' Association officers, 94
  Washington contacts, 22, 189, 438
American honey show, 156
Antibiotic extender patties, 308, 430
  resistance, 56
Antidotes for poisoned bees, 49
Apiary workshop slated, 194
Apis adansonii, 68, 222, 232, 353, 426
Apis indica F., acarine disease of, 134
Argentina, African bee in, 47, 422
  honey exports, 259, 299, 379
  Japanese visit to, 177
Arizona cotton "scout" program, 87
Arkansas bee float, 417
Asters, honey plant, 274
Atkins, Larry, to study repellents, 91
Atkinson, John W., edits Canadian bee journal, 278
Attractants for bees, 231
Australia, beekeeping economics in, 85
  honey consumption, 22
  honey exports, 259
  leafcutter bee introduction, 5
Awram, Dr. W. J., supervisor of apiculture for Alberta, 182

B

Bacillus larvae, nitrite test for, 385
Badano, Angel, 422
Bailey, Dr. Leslie, to Arkansas, 474
Bee—
  behavior as it relates to pollination, 266, 302, 340
  behavior when smoked, 180
  breeding investigations, 200
  colonies, weighing of, 143
  flight patterns, 178
  jewelry, 278
  magnets, 178
  pollination ecology, 344
  repellent research, 91
  stamp project, 89, 238, 406, 417
  tagging operation, 178
  tree, 386
  venom research, 265
  wild, cause of mortality of, 297
Beehive loader, 143
Beekeeper income, 51
  indemnity program, 87, 278, 322
Beekeeper of the Century, 286
Beekeeper of the Year—
  California—John Allred, 12
  Illinois—Wm. H. Ghere, 377
  Pennsylvania—Robert Louis Crimbring, 114
Beekeeping—
  business records, 13, 54, 100, 142, 176, 228, 267, 305
  equipment, soap adder for cleaning, 271
  financing study, 66, 185
  future trends in, 51, 417
  in Australia, 85
  in Belgium, 304
  in California, 392
  in Hungary, 431
  in India, 462
  in Poland, 434
  in Russia, 464, 468
  in Taiwan, 58
  in West Africa, 222
  industry analysis, 90, 139, 198, 233
  Maryland survey, 286
  project in Kenya, 320
  timely chats about, 24, 68, 108, 152, 194, 240, 279, 322, 400, 434, 476
  research conference, 66
Bees—
  and your business, 13, 54, 100, 228, 267, 305
  containerized, airdropped, 272
  color photos of, 229
  communication of, 15
  games they play, 356
  method of determining number in field, 268
  moving, warning on, 320
  stocks of 45
  substitute diet for, 394
  vision of, 230
  winter losses of, 10
Beeswax—
  aid in painting, 217
  Chile suspends exports of, 438
  in cosmetics, 309
  in wax museum, 87
  Nehalem, 467
  rendering of, 240
Behavior, aggressive, 310
  as it relates to pollination, 266, 302, 340
  foraging, effects of vibration on, 92
Belgium apiculture, 304
Biological control grant, 202
Boczonadi hives, 53
Boneset, honey plant, 23
Box elder, honey plant, 234
Breeding bees for pollination, 48, 89, 392
Brood measurement, instrument for, 20, 179
Brown, Ed., celebrates 50th anniversary, 354
Bumble bee as pollinator, 342, 424

C

Caillas, Alin, honored, 16
California, beekeeping in, 392
  bumper sticker, 217
  nosema survey, 17
Canadian Bee Journal sold, 278
  crop estimate, 130, 338, 379, 419, 458
  honey exports, 379
  T-V promotion, 85
Candle maker of year—Maxine Wilhelm, 18
Candles, home making of, 400
Cappings, handling of, 240
Cells, flat-topped, 457
Chicory, honey plant, 316
Chile suspends beeswax exports, 438
Chinese honey prices, 258
Chunk honey, bag for, 390
Colony—
  behavior when smoked, 180
  brood measurement, 20, 179
  management for crop pollination, 346, 388, 420, 460
  weighing of, 143
Colorado 4-H beekeeping project, 271
Comb area, measurement of, 20, 179
  honey, 141, 358
  plastic investigations, 220
Combs, rendering of, 240
Communication, animal, 140
  honey-bee, 15
Cook County promote bees, 432
Cotton desiccant, toxicity of, 382
  in Arizona, 87
Cox, H. C., research director, 355
Cranberry pollination, 238, 272
Crops and markets, **see** World Honey Market
Cross word puzzle, 192, 236, 276, 318, 358, 398, 436, 472
Cucumbers, pollination of, 224

D

DDT in use again, 337
Dance language hypothesis, 140
Dandelion, honey plant, 425
Depreciation in beekeeping, 267, 305
Disease—
  acarine, 134, 186, 337
  American foulbrood, 138, 308, 430
  EFB, effect of elevation on, 312
  Nosema, 17, 19, 55, 188, 337
  Varroatosis, 468
  virus, 154, 474
Diseased equipment, treatment of, 26
Do it yourself beekeeping, 462
Drifting, effect on honey production, 219
Drugs and AFB recurrence, 430

E

Ecology and pollination, 344
Ecroyd, Kevin, New Zealand visitor, 279
Egypt receives research grant, 438
Elevations, effect on EFB, 312
Enemy, mite, 468
  wax moth, control of, 110
  yellow jackets, 70
Entomologists, American Registry of Certified, 202
Enzymes vs. Pesticides, 471
Ethylene oxide fumigation of pollen, 400
  fumigation test, 138
European foulbrood, effect of elevations on, 312

F

Feeding, spring, stimulates, 45
Film on mating behavior, 227
Fireweed, honey plant, 425
Flight pattern, 178
Folbex fumigation of acarine, 186, 381
Foraging—
  activity research, 106, 389
  areas of colonies, 389, 420
  bees, determining number of, 268
  effect of vibration on, 92
Four-H beekeeping project, 271
Frow treatment of acarine, 381
Fumidil-B for nosema, 108
Furgala, Dr. Basil, 173

G

Gary, Dr. Norman, 178
Gator Go, honey-milk drink, 129
Great Lakes Honey Marketing Association, 94

H

Hancock, Bob, Arizona chief apiary inspector, 362
Harbo, Dr. John R., appointed to Bee Stock Center, 200
Haydak, M. H., obituary, 362
  research fund, 173
  to work at Tucson lab., 91
Haynie, John, retires, 238, 406
Herbicide carrier toxic to bees, 355
Herbicides, toxicity of, 382
Hives, Boczonadi, 53
  preparation for winter, 11
Honey Acres open house, 315
Honey-bee—
  Act of 1922, 337, 377
  colonies, management for pollination, 346, 388, 520
  color photos of, 229
  genetic stock center, 132, 279, 286, 359
  mating behavior, film on, 227
  vision, 230
Honey—
  butter, original, 12
  consumer survey, 66
  consumption, Australia, 22
  covers pavement, 417

VOLUME 111 — *Index* — 1971

A

ABJ—25, 50, 75, 100 years ago—5, 45, 85, 129, 173, 217, 257, 297, 337, 377, 417, 457
Absconding, 364
Acarine disease, 337, 377, 380
  Folbex control of, 186, 381
  problem of the Indian bee, 134, 186
African bee, 68, 222, 377
  in Argentina, 47, 422
  in Paraguay, 232
  in Rhodesia, 47, 353
  management of, 262, 364, 426
  study of, 189, 238
Africa, West, beekeeping in, 222
Air door, 337
Airdropped containerized bees, 272
Airlifting honey bees, 217, 238
Alarm pheromone, 180
Alfalfa, honey plant, 62
  pollination of, 48, 89, 231
Alkali bee, 350
Alphandery, Edmond, honored, 22
American Beekeeping Federation officers, 94, 138
American foulbrood control, 308
  recurrence of, 430
  test for, 138, 385
American Honey Institute, 19, 88, 189, 360
American Honey Producers' Association officers, 94
  Washington contacts, 22, 189, 438
American honey show, 156
Antibiotic extender patties, 308, 430
  resistance, 56
Antidotes for poisoned bees, 49
Apiary workshop slated, 194
Apis adansonii, 68, 222, 232, 353, 426
Apis indica F., acarine disease of, 134
Argentina, African bee in, 47, 422
  honey exports, 259, 299, 379
  Japanese visit to, 177
Arizona cotton "scout" program, 87
Arkansas bee float, 417
Asters, honey plant, 274
Atkins, Larry, to study repellents, 91
Atkinson, John W., edits Canadian bee journal, 278
Attractants for bees, 231
Australia, beekeeping economics in, 85
  honey consumption, 22
  honey exports, 259
  leafcutter bee introduction, 5
Awram, Dr. W. J., supervisor of apiculture for Alberta, 182

B

Bacillus larvae, nitrite test for, 385
Badano, Angel, 422
Bailey, Dr. Leslie, to Arkansas, 474
Bee—
  behavior as it relates to pollination, 266, 302, 340
  behavior when smoked, 180
  breeding investigations, 200
  colonies, weighing of, 143
  flight patterns, 178
  jewelry, 278
  magnets, 178
  pollination ecology, 344
  repellent research, 91
  stamp project, 89, 238, 406, 417
  tagging operation, 178
  tree, 386
  venom research, 265
  wild, cause of mortality of, 297
Beehive loader, 143
Beekeeper income, 51
  indemnity program, 87, 278, 322
Beekeeper of the Century, 286
Beekeeper of the Year—
  California—John Allred, 12
  Illinois—Wm. H. Ghere, 377
  Pennsylvania—Robert Louis Crimbring, 114
Beekeeping—
  business records, 13, 54, 100, 142, 176, 228, 267, 305
  equipment, soap adder for cleaning, 271
  financing study, 66, 185
  future trends in, 51, 417
  in Australia, 85
  in Belgium, 304
  in California, 392
  in Hungary, 431
  in India, 462
  in Poland, 434
  in Russia, 464, 468
  in Taiwan, 58
  in West Africa, 222
  industry analysis, 90, 139, 198, 233
  Maryland survey, 286
  project in Kenya, 320
  timely chats about, 24, 68, 108, 152, 194, 240, 279, 322, 400, 434, 476
  research conference, 66
Bees—
  and your business, 13, 54, 100, 228, 267, 305
  containerized, airdropped, 272
  color photos of, 229
  communication of, 15
  games they play, 356
  method of determining number in field, 268
  moving, warning on, 320
  stocks of 45
  substitute diet for, 394
  vision of, 230
  winter losses of, 10
Beeswax—
  aid in painting, 217
  Chile suspends exports of, 438
  in cosmetics, 309
  in wax museum, 87
  Nehalem, 467
  rendering of, 240
Behavior, aggressive, 310
  as it relates to pollination, 266, 302, 340
  foraging, effects of vibration on, 92
Belgium apiculture, 304
Biological control grant, 202
Boczonadi hives, 53
Boneset, honey plant, 23
Box elder, honey plant, 234
Breeding bees for pollination, 48, 89, 392
Brood measurement, instrument for, 20, 179
Brown, Ed., celebrates 50th anniversary, 354
Bumble bee as pollinator, 342, 424

C

Caillas, Alin, honored, 16
California, beekeeping in, 392
  bumper sticker, 217
  nosema survey, 17
Canadian Bee Journal sold, 278
  crop estimate, 130, 338, 379, 419, 458
  honey exports, 379
  T-V promotion, 85
Candle maker of year—Maxine Wilhelm, 18
Candles, home making of, 400
Cappings, handling of, 240
Cells, flat-topped, 457
Chicory, honey plant, 316
Chile suspends beeswax exports, 438
Chinese honey prices, 258
Chunk honey, bag for, 390
Colony—
  behavior when smoked, 180
  brood measurement, 20, 179
  management for crop pollination, 346, 388, 420, 460
  weighing of, 143
Colorado 4-H beekeeping project, 271
Comb area, measurement of, 20, 179
  honey, 141, 358
  plastic investigations, 220
Combs, rendering of, 240
Communication, animal, 140
  honey-bee, 15
Cook County promote bees, 432
Cotton desiccant, toxicity of, 382
  in Arizona, 87
Cox, H. C., research director, 355
Cranberry pollination, 238, 272
Crops and markets, **see** World Honey Market
Cross word puzzle, 192, 236, 276, 318, 358, 398, 436, 472
Cucumbers, pollination of, 224

D

DDT in use again, 337
Dance language hypothesis, 140
Dandelion, honey plant, 425
Depreciation in beekeeping, 267, 305
Disease—
  acarine, 134, 186, 337
  American foulbrood, 138, 308, 430
  EFB, effect of elevation on, 312
  Nosema, 17, 19, 55, 188, 337
  Varroatosis, 468
  virus, 154, 474
Diseased equipment, treatment of, 26
Do it yourself beekeeping, 462
Drifting, effect on honey production, 219
Drugs and AFB recurrence, 430

E

Ecology and pollination, 344
Ecroyd, Kevin, New Zealand visitor, 279
Egypt receives research grant, 438
Elevations, effect on EFB, 312
Enemy, mite, 468
  wax moth, control of, 110
  yellow jackets, 70
Entomologists, American Registry of Certified, 202
Enzymes vs. Pesticides, 471
Ethylene oxide fumigation of pollen, 400
  fumigation test, 138
European foulbrood, effect of elevations on, 312

F

Feeding, spring, stimulates, 45
Film on mating behavior, 227
Fireweed, honey plant, 425
Flight pattern, 178
Folbex fumigation of acarine, 186, 381
Foraging—
  activity research, 106, 389
  areas of colonies, 389, 420
  bees, determining number of, 268
  effect of vibration on, 92
Four-H beekeeping project, 271
Frow treatment of acarine, 381
Fumidil-B for nosema, 108
Furgala, Dr. Basil, 173

G

Gary, Dr. Norman, 178
Gator Go, honey-milk drink, 129
Great Lakes Honey Marketing Association, 94

H

Hancock, Bob, Arizona chief apiary inspector, 362
Harbo, Dr. John R., appointed to Bee Stock Center, 200
Haydak, M. H., obituary, 362
  research fund, 173
  to work at Tucson lab., 91
Haynie, John, retires, 238, 406
Herbicide carrier toxic to bees, 355
Herbicides, toxicity of, 382
Hives, Boczonadi, 53
  preparation for winter, 11
Honey Acres open house, 315
Honey-bee—
  Act of 1922, 337, 377
  colonies, management for pollination, 346, 388, 520
  color photos of, 229
  genetic stock center, 132, 279, 286, 359
  mating behavior, film on, 227
  vision, 230
Honey—
  butter, original, 12
  consumer survey, 66
  consumption, Australia, 22
  covers pavement, 417

crop, 1970, 66
crop statistics reports changed, 94, 438
curative powers of, 129, 457
festival, Ohio, 314
Gourmet magazine promotes, 438
granulated, 476
house air door, 337
industry analysis, 90, 139, 198, 233
liquefying with microwaves, 300
Marketing Association, 94
new usage of, 438, 457
price support activities, 6, 130, 174, 189, 218, 338, 378
prices since 1880, 50
production, Canadian, 130, 379, 419, 458
production, effects of drifting on, 219
production in Hungary, 52
production stimulated by spring feeding, 45
production, U.S., 6, 86, 378, 418
promotion, 19
promotion in Canada, 85, 129
Queen program, 278
raw, exempt from price freeze, 402
show, American, winners, 156
stores for winter, 10
Sunday, 469
Honey plants—
alfalfa, 62
asters, 274
boneset, 23
box elder, 234
chicory, 316
dandelion, 425
fireweed, 425
horsemint, 62
persimmon, 190
rhubarb, 425
Spanish needle, 23
spiderwort, 316
sumac, 234
sweet clover, 150
vetch, 95
white clover, 190
Honey queens—
American—
1970—Nodji Olson, 28
1971—Becky Ledbetter, 114
National—
1971—Vicki Rhodes, 114, 366
Arkansas—Barbara Linville, 158, 324
California—Janet Carr, 244
Michigan—Barbara Kemner, 244
Minnesota—Barb Jensen, 366
New Jersey—Karen Agens, 74
Ohio—Teresa Ann Temple, 364
Honi-bake, new honey product, 438
Honigschleim, 457
Horsemint, honey plant, 62
Hungarian beekeeping, 57, 431
Hybrid bees, production of, 154
Hybrid queens for pollination, 48, 89, 392

I

Income tax deductions, 13
Indemnity program, 22, 87, 278, 322, 474
India, beekeeping in, 462
Indian bee, acarine disease of, 134
Inheritance of antibiotic resistance, 56
Insecticide Melipax, 233
poisoning, 49, 471
International Apicultural Congress, XXIII, 16, 202, 464
Invert sugar for shipping package bees, 66

J

Japanese honey tour, 177, 320, 402
Jaycox, Dr. Elbert R., receives research grant, 106
Jewelry, bee, for Honey Queen program, 278
Johansen, Carl A., 350
Johansson, T. S. K., to Guelph, 320

K

Katzenelson, M., honored, 343
Kenya beekeeping project, 320
Killion, Carl E., bee stamp letter, 406

L

Lackett, James T., to Baton Rouge, 402
Leafcutter bee, 5, 352
Lemons, pollination of, 138
Liquefying honey with microwaves, 300

M

Mackensen, Dr. Otto, retires, 225
Mailing package bees, 68, 96, 138, 175, 204, 360
Management of colonies for pollination, 346, 388, 420, 460
of the African bee, 262
winter, 104
Manitoba honey promotion, 129
nosema survey, 233
wintering outdoors in, 104
Marking bees, 178
Martin, E. C., to Indonesia, 402
to Tucson lab., 91
Maryland beekeeping survey, 286
Mating behavior, film on, 227
Mead, Cornell, 198
Meetings—
American Beekeeping Federation, 28, 246, 442
American Bee Breeders' Association, 446
American Honey Producers' Association, 32, 244, 468
Apiary Inspectors of America, 30, 94
Canadian Beekeepers' Council, 440
Eastern Apicultural Society, 284
Short courses—Del.—200; N. J.—242; Pa.—480; Va.—114
Southern States Beekeepers' Federation, 446
Meineke, Ellsworth A., Community Center, 320
Melipax, insecticide, 233
Mellona bee farm, 52
Michener, Dr. C. D., heads African bee study, 189
Microwave oven to liquefy honey, 300
Mid-U.S. Honey Producers' Marketing Association, 72
Miller Honey Co., 202, 238
Mite, enemy of bees, 468
Moving bees, warning on, 320

N

National honey show, 442
Nitrite test to identify **Bacillus larvae,** 385
North Dakota inspection division moved, 138
Nosema apis, treatment of, 188
Nosema disease, 19, 55, 108, 233, 337
survey, California, 17

O

Obituary—
Adee, J. H., 482
Aeppler, Carl W., 364
Andriano, Helen Gladish, 74
Baptiste, Alfred J., 160
Barnette, Warren G., 446
Boulanger, Leo Wilfred, 246
Clark, Rev. Robert Alvin, 116
Cleveland, Mrs. Rena, 286
Coe, Lyman, 326
Doonan, Gail Bernice, 446
Edmunds, John Wesley, 204
Erickson, William B., 482
Ferguson, Roy F., 160
Fischer, Raymond, 34
Haydak, M. H., 396
Holcombe, Paul L., 366
Hrushka, Michael K., 284
Jaubert, Julian Paul, 74
Johnson, Ray, 246
Lewis, Edward Mansel, 34
Moore, Dr. Ruth Crouse, 116
Parent, Leon C., 446
Prasse, Charles Elmer, 364
Puett, Garnett, 136
Ramey, W. J., Sr., 116
Remer, Mrs. Reuben F., 34
Root, Lyle L., 286
Schmidt, Anna Schroeder, 366
Schultz, Arthur John, 116
Shepherd, Albert Lee, 160
Strader, L. E., 324
Stroope, G. O., 326
Svoboda, Jaroslav, 406
Sykes, Roland T., 284
Whitcomb, Warren, Jr., 116
Williams, Roscoe A., Sr., 406
Young, Leo D., 246
Olfaction hypothesis of communcation, 141
Ohio honey festival, 314
Orchard pollination, 420
Oregon State Beekeepers' Association, sponsors bill, 173

P

Package bees—
airlift of, 217
postal shipment of, 22, 68, 96, 138, 175, 204, 360, 402, 438, 469, 470
shipping with invert sugar, 66
Packages, good things come in small, 350
Paraguay, African bees in, 232
Paralysis, 429
Parkhill, Joe, honored, 94
Pennsylvania beekeeping, 279
Persimmon, honey plant, 190
Pesticide—
bumper sticker, 217
enzyme protection from, 471
hearings, 189
indemnity program, 22, 87, 278, 322, 474
losses, reducing of, 238
testing laboratories, 360
Pheromone, alarm, 180
Planimeter measurement of comb area, 179
Plastic hive and comb investigations, 220, 260
Poison baits and sprays, 427
Poisoned bees, antidotes for, 49
Poland, beekeeping in, 434
Polish, furniture and floor, 70
Pollen—
collection, factors controlling, 461, 474
fumigation of, 400
how to control amount in brood combs, 280
power in daily diet, 136
storage, 26
substitute, 14, 394
supplement patties, 433
trapping, 68
Pollinating colony, 233
Pollination—
bee behavior as it relates to, 266, 302, 340, 420
bee ecology and, 344
in California, 392
information wanted, 16
management of colonies for, 346, 388, 420, 460
of alfalfa, 48, 89, 231
of cranberries, 238
of cucumbers, 224
of lemons, 138
of legumes, 138
research and practice, 8
Pollinators, bumble bees as, 342, 424
Price support activties, 6, 130, 174, 189, 218, 338, 378
Propolis for ulcers, 217
Publications—
Bees: Their Vision, Chemical Senses, and Language, by Karl von Frisch, 470
Beute und Biene, by Roy A. Grout and F. Ruttner. In German, taken from The Hive and the Honey Bee, 257
Honey bees in alfalfa seed production. Folder 91, Univ. Ariz. Coop. Exten. Serv., 288
Honey recipe book. Marketing Div., Ia. Dept. Agri., 278
Indispensable pollinators, proc. 9th Polli. Conf., Agri. Exten. Serv., Univ. Ark., 66
Insect pollination of crops, by J. B. Free, 94, 474
Instrumental insemination of queen bees, by Otto Mackensen and Kenneth Tucker, 94
Onion pollination as affected by different levels of pollinator activity, by G. E. Bohart, W. P. Nye and L. P. Hawthorn, 94
Pollination Bull. No. 525, Manitoba Beekeepers' Assn., 320
Pollination of legume seed in Illinois, by E. R. Jaycox, Circ. 1039, Univ. Ill. Exten. Serv., 269
Science and bee review, Argentina Bee Journal, 429
Survey of a thousand years of beekeeping in Russia, by Dorothy Galton, Bee Res. Assn., 288
Puett, Garnett, obituary, 136
Purple martin, enemy of bees, 280

Q

Queen—
banks, 146
bees, danger of foreign imports, 377
bees, mailing of, 96, 265, 469, 470
bees, simplified method of storing, 270
cage candy, 306
cages, 226, 265, 384
cells, 98
clipping wings of, 348, 436
course in artificial breeding of, 74
effect on aggressive behavior, 310
finding the, 322

imports by England, 457
introduction, 98, 110, 146, 183, 226, 264, 306, 348, 384
marking code, international, 108
nurseries, 98

R

Recipes—
Bread, muffins—
banana-bran muffins, 192
cherry-pink muffins, 102
cranberry-nut bread, 25
graham-date bread, 148
Hawaiian-date loaf, 192
honey-bran muffins, 276
honey-date loaf, 64
mincemeat bread, 25
party-perfect gingerbread, 102
tomato bread, 64
Cake—
honey-caramel cake, 436
honey-nectar cake, 192
honey-nut cake, 25
lemon-honey pudding cake, 358
orange cake, 318
Cookies—
date bar, 25
honey-lace cookies, 398
honey-nut brownies, 398
honey-nut cookies, 398
honey-pecan cookies, 148
honey-raisin cookies, 398
honey rocks, 398
honey-walnut crescents, 472
Desserts—
Capricornian's fruit and cereal pyramid, 276
honey-apple crisp, 64
honey-apple puffs, 236
honey-apple roll-ups, 148
honey-coffee mousse, 64
honey-fruit melange, 148
honey-orange fondue, 148
honey-pecan tarts, 358
honeyed fruit en brochette, 236
party crunch, 25
peach betty, 236
refreshing honey dessert, 148
sparkling party punch, 472
western fruit cup special, 192
zippy cranberry relish, 25
Fig-happy cheese treat, 276
Frostings—
chocolate broiled icing, 318
fresh lemon glaze, 192
honey icing, 102
Honey—
cream dressing, 148
drinks, 148
glazed carrots, 318
popcorn balls, 148
served uncooked, 358
Meats—
apple glazed ham loaf, 276
glazed baked chicken, 102
hasty-tasty ham, 436
pork chop, yam and apple skillet, 436
sweet and sour pork, 25
Orange-honey warm up, 436
Pecan butterballs, 358
Pie—
crisscross cherry pie, 102
crustless pumpkin pie, 436
honey-cheese pie, 64
pecan pie, 25
perfection cherry pie, 472
Quick cereal fixings, 303
Sandwich fillings with honey, 148, 436
Redwood for beehives, 26
Research—
agreements, USDA announces, 5, 360
beekeeping, 90
conference on, 66
fund, M. H. Haydak, 173
on foraging activity, 106
pollination, 8, 346, 388
Resistance to drugs, 56
Rheumatism, bee stings for, 265
Rhodesia, African bee in, 47, 353
Rhubarb, honey plant, 425
Robert, Dr. William C., heads stock center, 132
Rothamsted Experimental Station, 346, 388, 420
Royal jelly heals bones, 297
Russia, beekeeping in, 464, 468

S

Saponin, cause of wild bee mortality, 297
Schmidt, Howard, re-elected, 32
Schmidt, Oscar H., honored, 286
Scottish honey promotion, 297
Shanek, L. C., Nebraska State Apiarist, 94
Shaw, Frank, retires, 22
Sioux Honey 50th anniversary, 354
Smoke behavior, 180
Soap adder, for cleaning equipment, 271
Solar wax extractor, 240
Soybean, need for hybrid, 152, 320, 377
Spanish needle, honey plant, 23
Spiderwort, honey plant, 316
Spring feeding stimulates production, 45
Sumac, honey plant, 234
Sunflower, oil seed crop, 474
Svoboda, J., honored, 45
Swarm control, 13
Swarming, 194
Sweet clover, honey plant, 150

T

Taiwan, beekeeping in, 58
Tax deductions, 13
Terramycin ABF test, 138
Tetracycline activity, 474
Timely chats about beekeeping, 24, 68, 108, 152, 194, 240, 279, 322, 400, 434, 476
Trucks, regulations for, 189, 402
Toxicity of weed killers, 382
Tupelo honey suggested for diabetics, 173
T-V program on bees, 417

U

USDA—
announces indemnity program, 278
announces research agreements, 360
bee genetic stock center, 132, 279, 286
research grant to Egypt, 438
U.S. honey crop reports changed, 94, 438
U.S. honey import-export statistics, 6, 86, 130, 174, 218, 259, 298
U.S. honey production, 6, 86, 175, 218, 258, 298, 338, 378, 418, 458

V

Van Arsdall, George, 417
Vapona strips, warning about use of, 431
Varroatosis, 468
Vetch, honey plant, 95
Virgin queen introduction, 146
Virus disease, 154, 474

W

Ware, Dr. George, testifies at pesticide hearings, 189
Warren, Dr. L. O., honored, 94
Washington State pollination work, 350
Wax moth, control of, 110, 188
Wax museum, beeswax in, 87
Weed killers, toxicity of, 382
West Africa, beekeeping in, 222
Wild bee mortality, cause of, 297
Wilhelm, Maxine, candle maker of year, 18
Wedgworth, Arizona family featured, 259
Weighing honey-bee colonies, 143
White clover, honey plant, 190
Wintering bees, 10, 68, 104, 137
Wisteria, honey plant, 95
World honey market, 6, 46, 86, 130, 174, 218, 258, 298, 338, 378, 418, 458

Y

Yeast in pollen substitute, 14
Yellow jackets, enemy of bees, 70

CONTRIBUTORS

A

Abdellatif, M. A., 14
Al-Tikrity, W. S., 20, 143
Attfield, H. Harry D., 15, 230
Atwal, A. S., 134, 186, 343

B

Barker, Roy J., 49
Benton, A. W., 20, 143
Bitner, Albert Richard, 385
Boggino, Pedro A., 232
Branch, T. W., 353

C

Cale, G. H., Jr., 48, 90
Cantwell, George C., 188, 272
Carlile, Bill, 24, 68, 108, 152, 194, 240, 279, 322, 434, 476
Cavalier, Julien, 12
Christian, Bob S., 386
Clarke, W. W., Jr., 20, 143
Cornejo, Luis G., 262
Curtis, James H., 198

D

Detroy, B. F., 220, 260
Diehnelt, Pat, 315
Doull, Keith M., 266, 302, 340

E

Edwards, John F., 270
El-Gaiar, F. H., 14
Elliott, James R., 271, 308, 430
Emde, Josephine, 464

F

Foote, Len, 17
Free, J. B., 346, 388, 420, 460
Fuller, Rev. J. Francis, 390

G

Gagnon, Mel, 178
Galton, Dorothy, 468
Garman, Kenneth, 391
Gary, Norman E., 426
Gilbert, Mason, 471
Grout, Roy A., 467

H

Haeger, Phyllis M., 19
Hehre, Robert J., 13, 54, 100, 142, 176, 228, 267, 305, 356
Hillman, R. C., 20, 143
Hitchcock, John D., 430
Hooper, Dayle H., 425

J

Jenn, R. A. Yeo, 304
Johansson, T. S. K. and M. P., 10, 56, 98, 146, 179, 183, 226, 264, 306, 348, 384
Johnson, I. J., 89

K

Katzenelson, M., 47, 177, 233, 422
Konrad, John, 137
Koulichkov, N. N., 268

L

Lackett, James J., 300
Lehnert, T., 188
Levin, M. D., 8

M

Magers, A. W., 23, 62, 95, 150, 190, 234, 274, 316
Martin, Bert, 344
Massey, Philip M., 132
McDonald, John L., 58
Menashes, Stanley, 96
Meza, J. de, 52
Moffett, Joseph O., 55, 382
Mohanna, N. M., 14
Moore, John L., 364
Morton, Howard L., 382

N

Newton, D. C., 180

O

Oertel, Everett, 50
Owens, C. D., 220, 260

P

Papadopoulo, P., 47
Parker, Marvin M., 433
Pavlov, L. I., 431
Peled, Rami, 222
Poole, H. K., 270

R

Retzer, H. J., 272
Rex, James K., 469

S

Schneider, Douglas, 462
Sharma, O. P., 343
Shimanuki, H., 272
Sinise, Jerry, 18
Sisson, Vern E., 392
Smith, Leonard J., 188
Spangler, Hayward C., 92
Steinhauer, A. L., 224
Stephen, W. A., 139

U

Urbanowicz, Marjan, 104

W

Wenner, Adrian M., 140
Westbury, John, 342, 380, 424
Wilson, William T., 55, 300, 308, 312, 430

Y

Yadava, R. P. S., 310

M